



Virtual channel: dynamic structuring and continuous queries for data on the air

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This Paper Appears in:

Communications, Computers and Signal Processing, 1997. 10 Years PACRIM 1987-1997 - Networking the Pacific Rim. 1997 IEEE Pacific Rim Conference on

on Pages: 715 - 720 vol.2

This Conference was Held: 20-22 Aug. 1997

1997

Vol. 2

ISBN: 0-7803-3905-3

IEEE Catalog Number: 97CH36060

Total Pages: 2 vol. xxiii+1021

References Cited: 8

Accession Number: 5745743

Abstract:

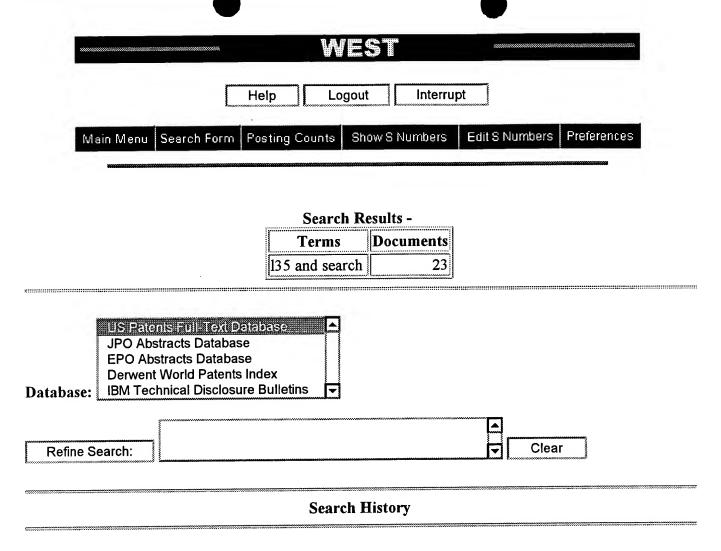
This paper proposes a restructuring method for data via digital video satellite broadcasting systems. The research is motivated by development of the EPG (electronic television program guide) system for browsing through the content of a few hundred channels. It is not possible for users to check each piece of data all the time. We propose a new approach to reorganize the EPG data for retrieving the desired television program information instead of a system-defined EPG.

Subject Terms:

direct broadcasting by satellite; dynamic structuring; continuous queries; virtual channel; data restructuring method; digital video satellite broadcasting systems; electronic television program guide; television program information retrieval

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Today's Date: 2/6/2001

